

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV022219\  
Quantitation Report (QT Reviewed)

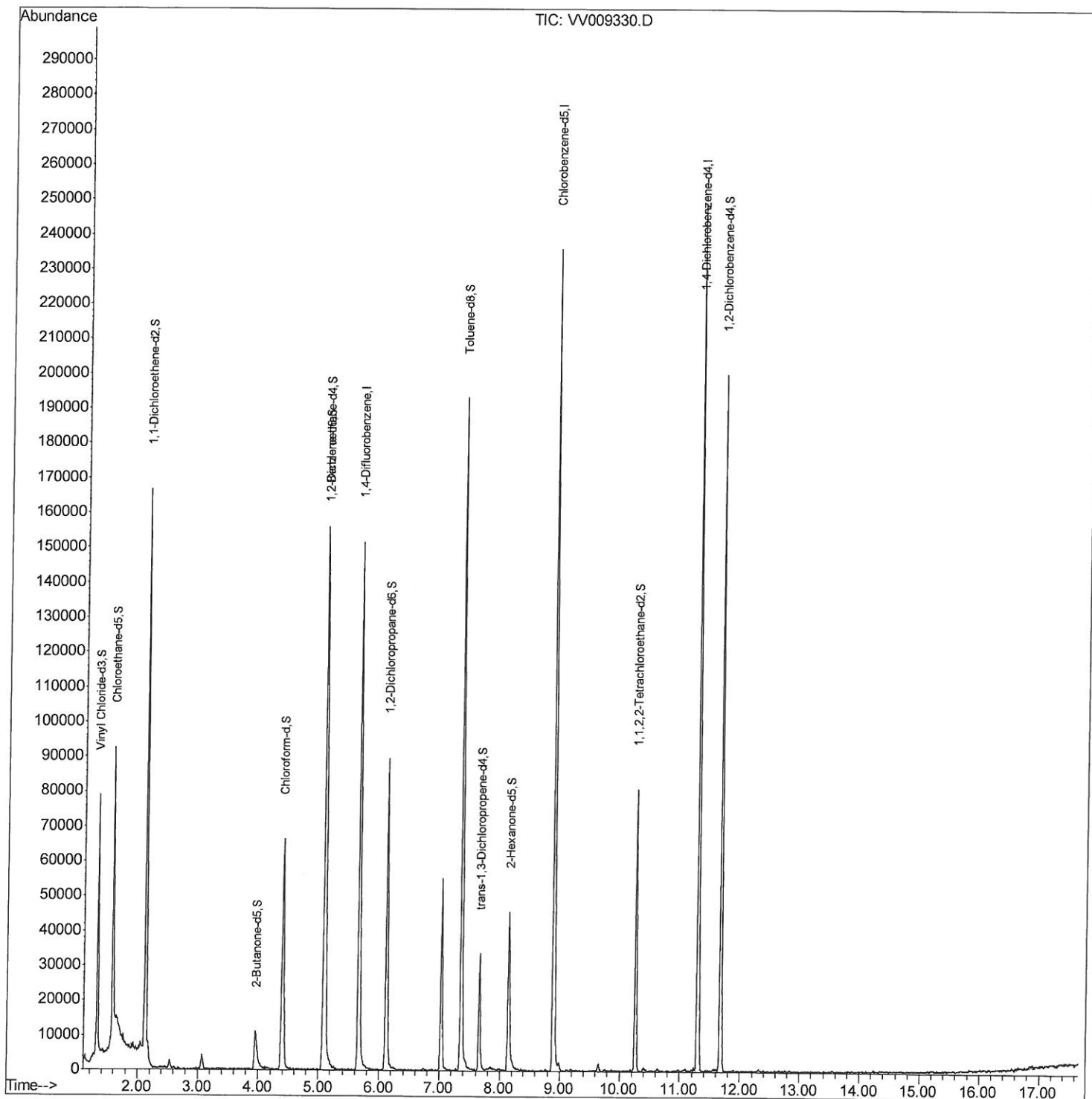
Data File : VV009330.D  
Acq On : 22 Feb 2019 15:54  
Operator : SY/MD  
Sample : K1579-17  
Misc : 5.19G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB612

Manual Integrations  
APPROVED

MMDadoda  
2/25/2019 1:34:54 PM

Quant Time: Feb 23 00:48:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 23 00:37:16 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV022219\  
Quantitation Report (Qedit)

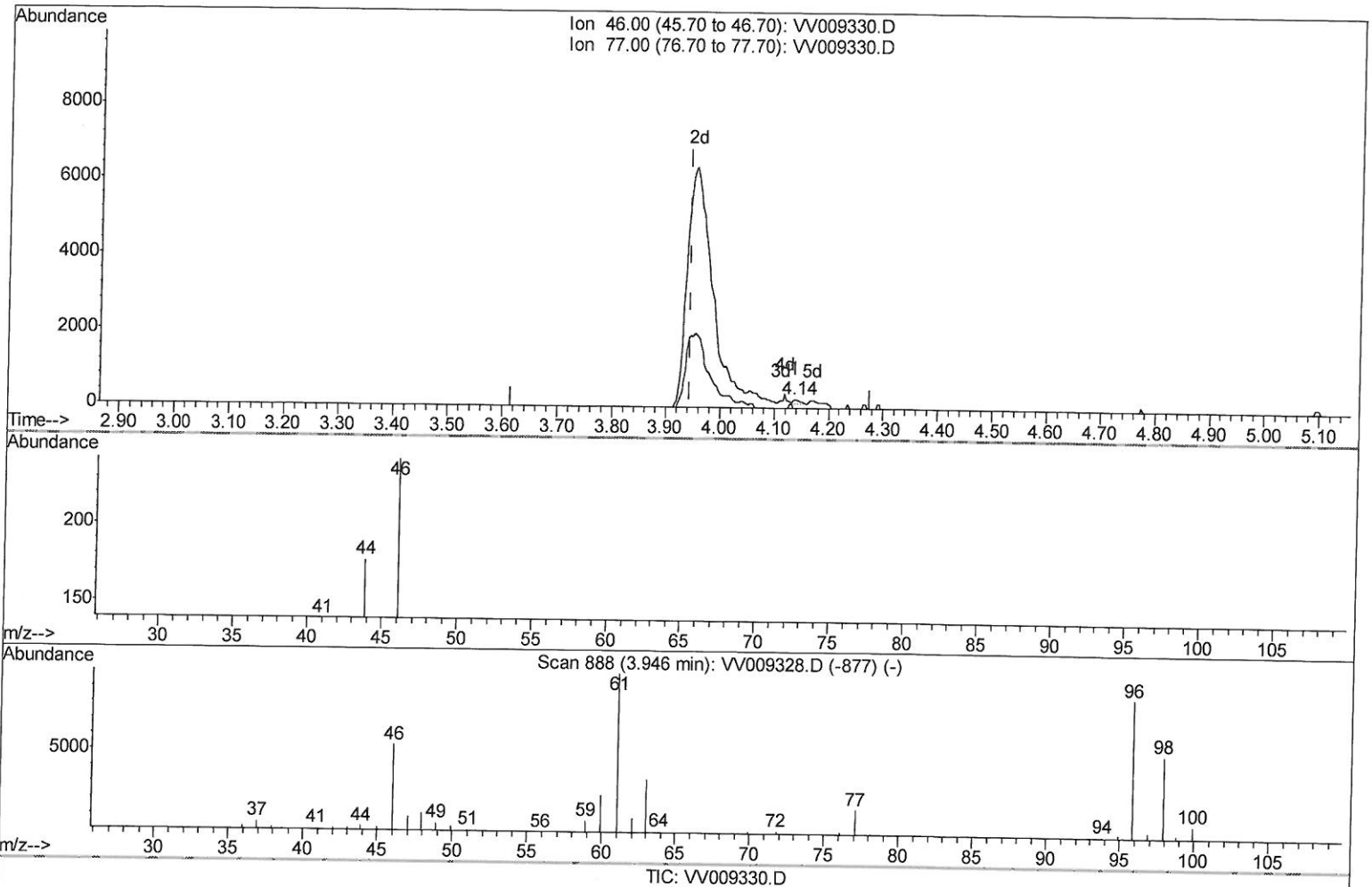
Data File : VV009330.D  
Acq On : 22 Feb 2019 15:54  
Operator : SY/MD  
Sample : K1579-17  
Misc : 5.19G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB612

Manual Integrations  
APPROVED

MMDadoda  
2/25/2019 1:34:54 PM

Quant Time: Feb 23 00:40:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 23 00:37:16 2019  
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

4.139min (+0.193) 0.18ug/L

response 114

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 32.60 | 40.35 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV022219\  
Quantitation Report (Qedit)

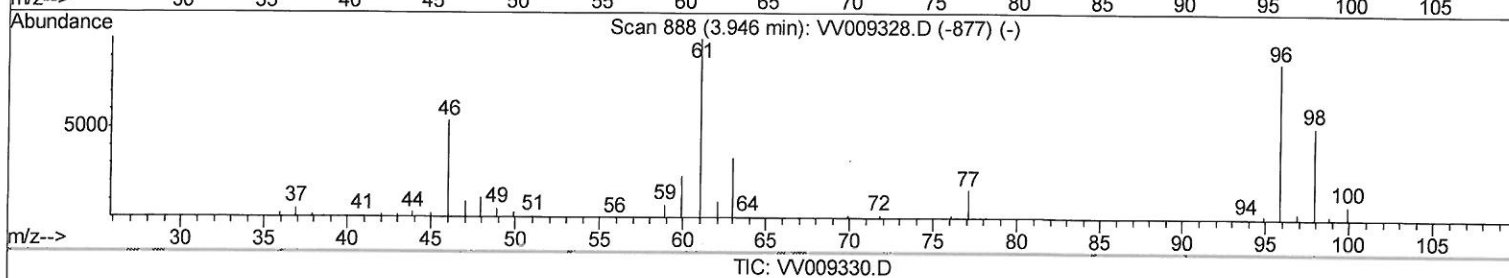
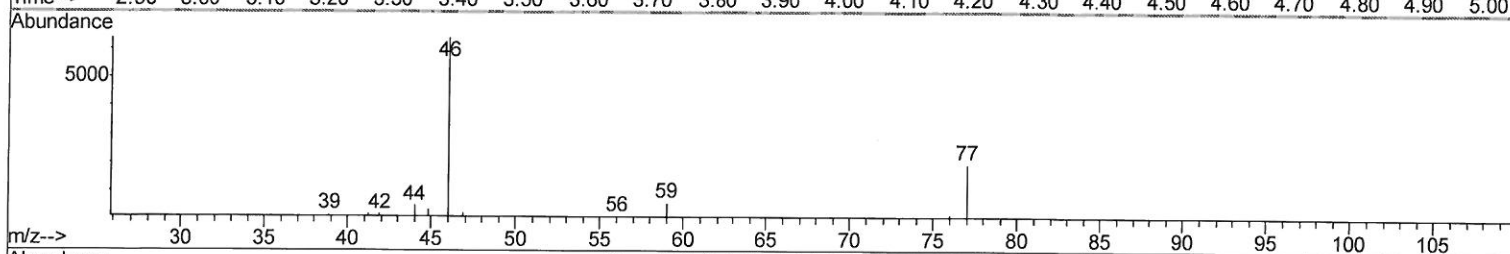
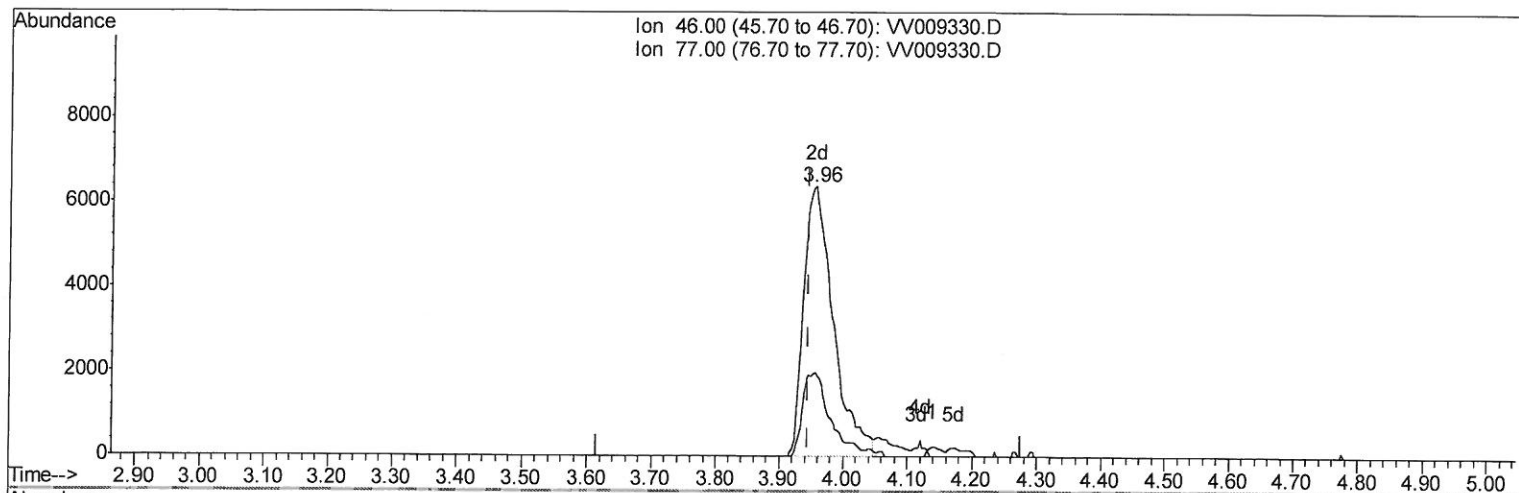
Data File : VV009330.D  
Acq On : 22 Feb 2019 15:54  
Operator : SY/MD  
Sample : K1579-17  
Misc : 5.19G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB612

Manual Integrations  
APPROVED

MMDadoda  
2/25/2019 1:34:54 PM

Quant Time: Feb 23 00:40:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 23 00:37:16 2019  
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

3.955min (+0.010) 31.71ug/L m

response 20262

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 32.60 | 0.23# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV022219\  
Quantitation Report (QT Reviewed)

Data File : VV009330.D  
Acq On : 22 Feb 2019 15:54  
Operator : SY/MD  
Sample : K1579-17  
Misc : 5.19G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB612

Manual Integrations  
APPROVED

MMDadoda  
2/25/2019 1:34:54 PM

Quant Time: Feb 23 00:48:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 23 00:37:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 137242   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 131927   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 63370    | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |                |     |            |        |      |      |
|--------------------------------|----------------|-----|------------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 41524      | 22.74  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 90.96% |      |      |
| 7) Chloroethane-d5             | 1.58           | 69  | 49656      | 22.99  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 91.96% |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.13           | 63  | 81607      | 18.18  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 72.72% |      |      |
| 20) 2-Butanone-d5              | 3.96           | 46  | 20262m     | 31.71  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 63.42% |      |      |
| 24) Chloroform-d               | 4.40           | 84  | 66648      | 20.91  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 83.64% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 35098      | 20.31  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 81.24% |      |      |
| 29) Benzene-d6                 | 5.10           | 84  | 141000     | 21.31  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 85.24% |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.12           | 67  | 43928      | 22.56  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 90.24% |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 135046     | 21.44  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 85.76% |      |      |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79  | 18830      | 18.83  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 75.32% |      |      |
| 39) 2-Hexanone-d5              | 8.14           | 63  | 16468      | 30.41  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 60.82% |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 39494      | 18.55  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 74.20% |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152 | 49399      | 21.22  | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 84.88% |      |      |

02/25/19 Sy

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed